

ABSTRACT

Disclosed are a method of fabricating ZnO nanostructures and its apparatus, and more particularly, to a method of fabricating ZnO nanostructures from Zn gas, which is produced by a reduction process between ZnO powder and graphite, on a silicon substrate, wherein various types of nanostructures are reproducibly generated by adjusting the processing temperature and the mixed ratio between oxygen and argon gases, which are introduced into the interior of a reaction tube as carrier gases, and its apparatus.